

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	24	424/405 and (dialdehyde or 2-butenedial or butenedial)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/27 09:37
L2	63	514/705 and (disinfectant or sterilize or disinfecting or bacterial or bactericide)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/27 09:40
L5	21	Satsangi.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/27 09:41
L6	11	Bruckner.in. and (dialdehyde or butenedial or 2-butenedial)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/27 09:43
L7	0	Satsangi.in. and (dialdehyde or butenedial or 2-butenedial)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/27 09:41
L8	49	Satsangi	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/27 09:43
L11	2	2-butenedial	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/27 09:49
S1	23	butenedial	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/27 09:51
S2	10	butenedial and ph	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/24 12:22
S3	28	fumaraldehyde	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/27 09:48

S4	82	fumaraldehyde or malealdehyde	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/24 12:24
S6	104	fumaraldehyde or malealdehyde or butenedial	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/24 13:33
S8	84	fumaraldehyde or malealdehyde or butenedial and fragrance	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/24 12:25
S10	1	(fumaraldehyde or malealdehyde or butenedial) and fragrance and antioxidant	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/24 12:26
S11	12	(fumaraldehyde or malealdehyde or butenedial) and antioxidant	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/24 12:26
S12	44	(fumaraldehyde or malealdehyde or butenedial) and ph	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/24 12:51
S13	7	(fumaraldehyde or malealdehyde or butenedial) same ph	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/24 12:55
S14	1	(fumaraldehyde or malealdehyde or butenedial) and odor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/24 12:55
S15	6	(fumaraldehyde or malealdehyde or butenedial) same acidic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/24 13:13
S16	2	"2987475".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/24 13:13

S24	81	surfactant same glycol same corrosion same antioxidant	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/24 13:35
S26	33	surfactant same glycol same corrosion same antioxidant same dye	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/24 13:47
S27	1	surfactant same glycol same corrosion same antioxidant same fragrance	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/24 13:35
S28	81	surfactant same glycol same corrosion same antioxidant	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/24 13:48
S29	0	surfactant same glycol same corrosion same antioxidant same bacteridcide	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/24 13:48
S30	0	surfactant same glycol same corrosion same antioxidant same bactericidal	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/24 13:48

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NEWS	17	MAY 23	GBFULL enhanced with patent drawing images
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NEWS	19	JUN 06	The Analysis Edition of STN Express with Discover! (Version 8.0 for Windows) now available
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NEWS	24	JUL 07	STN Patent Forums to be held in July 2005
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=> s bruckner n?/au

L1 51 BRUCKNER N?/AU

=> s satsangi r?/au

L2 104 SATSANGI R?/AU

=> s l1 and (dialdehyde or disinfect? or biocid? or bacteri?)

L3 18 L1 AND (DIALDEHYDE OR DISINFECT? OR BIOCID? OR BACTERI?)

=> s l2 and (dialdehyde or disinfect? or biocid? or bacteri?)

L4 6 L2 AND (DIALDEHYDE OR DISINFECT? OR BIOCID? OR BACTERI?)

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ENTER L# LIST OR (END):13,14

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L5 17 DUPLICATE REMOVE L3,L4 (7 DUPLICATES REMOVED)

=> d 15 1-17 ibib abs total

L5 ANSWER 1 OF 17 USPATFULL on STN

ACCESSION NUMBER: 2005:144030 USPATFULL

TITLE: Implant coatings

INVENTOR(S): Ong, Joo L., Cordova, TN, UNITED STATES

Satsangi, Rajiv K., San Antonio, TX, UNITED STATES

Satsangi, Neera, San Antonio, TX, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005123765	A1	20050609
APPLICATION INFO.:	US 2003-497671	A1	20021217 (10)
	WO 2002-US40172		20021217

	NUMBER	DATE
PRIORITY INFORMATION:	US 2003-342069P	20011219 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	MEYERTONS, HOOD, KIVLIN, KOWERT & GOETZEL, P.C., P.O. BOX 398, AUSTIN, TX, 78767-0398, US	
NUMBER OF CLAIMS:	34	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	9 Drawing Page(s)	
LINE COUNT:	1203	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB     Implants may be coated with a biocompatible coating to improve the biocompatibility of the implant. The biocompatible coating may include a bone growth promoting compound. Such compounds include, but are not limited to, phospholipids, bone morphogenetic proteins, or combinations thereof. The bone growth promoting compound may enhance the rate of bone growth proximate to the implant and the integration of the implant into the surrounding bone.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5    ANSWER 2 OF 17    USPATFULL on STN  
ACCESSION NUMBER:     2003:117295    USPATFULL  
TITLE:                Process and composition for removing biofilm  
INVENTOR(S):          Siegel, Phyllis B., San Antonio, TX, UNITED STATES  
                      Bruckner, Norman I., Plano, TX, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003079758	A1	20030501
APPLICATION INFO.:	US 2002-72432	A1	20020208 (10)
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1998-89845, filed on 3 Jun 1998, ABANDONED Continuation-in-part of Ser. No. US 2000-608048, filed on 30 Jun 2000, PENDING		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	JOHN LEZDEY, 1409A NORTH FT HARRISON, CLEARWATER, FL, 33755		
NUMBER OF CLAIMS:	24		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1328		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB     A composition and a method for decontaminating small diameter water lines for medical equipment which effectively dislodges and eliminates a biofilm and at the same time destroy the microorganism flora in the fresh water and in the dislodged biofilm. In addition the composition or method does not corrode water line materials, it is safe and non-toxic, it does not expose patients to the decontaminating chemicals or process, it does not leave significant residual chemicals in the water line, it does not require the use of sterile solutions and aseptic technique by dental personel, and it does not require mixing or dilution of chemicals prior to use.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 3 OF 17 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN  
 ACCESSION NUMBER: 1995:32379 BIOSIS  
 DOCUMENT NUMBER: PREV199598046679  
 TITLE: Enhancement of mycobactericidal activity of glutaraldehyde  
 with alpha,beta-unsaturated and aromatic aldehydes.  
 AUTHOR(S): Gordon, M. D.; Ezzell, R. J.; **Bruckner, N. I.**;  
 Ascenzi, J. M. [Reprint author]  
 CORPORATE SOURCE: Research Div., Johnson Johnson Med. Inc., PO Box 130,  
 Arlington, TX 76004, USA  
 SOURCE: Journal of Industrial Microbiology, (1994) Vol. 13, No. 2,  
 pp. 77-82.  
 CODEN: JIMIE7. ISSN: 0169-4146.  
 DOCUMENT TYPE: Article  
 LANGUAGE: English  
 ENTRY DATE: Entered STN: 25 Jan 1995  
 Last Updated on STN: 26 Jan 1995

AB Several alpha,beta-unsaturated and aromatic aldehydes were evaluated for  
 antimicrobial activity using Mycobacterium bovis as the test strain.  
 Activity of most of the compounds was determined in the presence and  
 absence of 2% glutaraldehyde. Several compounds highly active against  
 this organism, e.g. 2-pentenal, benzaldehyde, and o-phthalaldehyde showed  
 rapid kill of gt 10<sup>5</sup> CFU ml<sup>-1</sup> in 5 min. Activity of alpha,beta-  
 unsaturated compounds substituted in the beta-1 position showed increasing  
 activity with increasing chain length. Of the aromatic aldehydes tested  
 benzaldehyde and p-dimethylamino benzaldehyde showed little activity  
 alone, but when combined with 2% glutaraldehyde showed increased activity.  
 Substituents added to the benzaldehyde ring (nitro, chloro, methyl, and  
 methoxy) all detracted from the synergism, but still showed increased  
 activity over the activity of 2% glutaraldehyde. The same affect was  
 noted with disubstituted bcnzaldehyde compounds but not with substituted  
 o-phthalaldehyde (2-formylformaldehyde).

L5 ANSWER 4 OF 17 USPATFULL on STN DUPLICATE 1  
 ACCESSION NUMBER: 90:89321 USPATFULL  
 TITLE: Odorless aromatic **dialdehyde**  
**disinfecting** and sterilizing composition and  
 method of using the same  
 INVENTOR(S): **Bruckner, Norman I.**, Plano, TX, United States  
 Gordon, Michael D., Arlington, TX, United States  
 Howell, Ronald G., Arlington, TX, United States  
 PATENT ASSIGNEE(S): Johnson & Johnson Medical, Inc., Arlington, TX, United  
 States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4971999		19901120
APPLICATION INFO.:	US 1989-349675		19890510 (7)
DISCLAIMER DATE:	20060725		
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1987-53208, filed on 21 May 1987, now patented, Pat. No. US 4851449		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Shah, Mukund J.		
ASSISTANT EXAMINER:	Ward, E. C.		
NUMBER OF CLAIMS:	8		
EXEMPLARY CLAIM:	1		
LINE COUNT:	476		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An odorless sterilizing and **disinfecting** solution is described  
 which has a pH of from 3 to 9 and which contains an effective amount of  
 phthalaldehyde. The solution is used to sterilize or to  
**disinfect** a surface in need of such treatment.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 5 OF 17 USPATFULL on STN DUPLICATE 2  
ACCESSION NUMBER: 89:60916 USPATFULL  
TITLE: Odorless aromatic **dialdehyde**  
**disinfecting** and sterilizing composition  
INVENTOR(S): **Bruckner, Norman I.**, Plano, TX, United States  
Gordon, Michael D., Arlington, TX, United States  
Howell, Ronald G., Arlington, TX, United States  
PATENT ASSIGNEE(S): Surgikos, Inc., Arlington, TX, United States (U.S.  
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4851449		19890725
APPLICATION INFO.:	US 1987-53208		19870521 (7)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Robinson, Douglas W.		
ASSISTANT EXAMINER:	Kearse, R.		
LEGAL REPRESENTATIVE:	Tatlow, Michael Q., Metz, Charles J.		
NUMBER OF CLAIMS:	5		
EXEMPLARY CLAIM:	1		
LINE COUNT:	418		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An odorless sterilizing and **disinfecting** solution containing  
0.025 to 1.0 weight percent phthalaldehyde.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 6 OF 17 USPATFULL on STN DUPLICATE 3  
ACCESSION NUMBER: 89:56453 USPATFULL  
TITLE: **Disinfecting** and sterilizing composition  
INVENTOR(S): **Bruckner, Norman I.**, Plano, TX, United States  
Gordon, Michael D., Arlington, TX, United States  
Howell, Ronald G., Arlington, TX, United States  
PATENT ASSIGNEE(S): Surgikos, Inc., Arlington, TX, United States (U.S.  
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4847304		19890711
APPLICATION INFO.:	US 1987-53210		19870521 (7)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Robinson, Douglas W.		
ASSISTANT EXAMINER:	Kearse, Richard		
LEGAL REPRESENTATIVE:	Tatlow, Michael Q., Metz, Charles J.		
NUMBER OF CLAIMS:	8		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	1 Drawing Figure(s); 1 Drawing Page(s)		
LINE COUNT:	348		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A sterilizing and **disinfecting** solution is disclosed. The  
solution contains a saturated **dialdehyde** such as  
glutaraldehyde and an aromatic **dialdehyde**, such as  
phthalaldehyde, isophthalaldehyde or terephthalaldehyde.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 7 OF 17 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 4  
ACCESSION NUMBER: 1989:412560 CAPLUS  
DOCUMENT NUMBER: 111:12560  
TITLE: Odorless **disinfecting** and sterilizing  
composition containing phthalaldehyde



INVENTOR(S): **Bruckner, Norman Irving; Gordon, Michael**  
 David; Howell, Ronald Gene  
 PATENT ASSIGNEE(S): **Surgikos, Inc., USA**  
 SOURCE: **Eur. Pat. Appl., 11 pp.**  
 CODEN: EPXXDW  
 DOCUMENT TYPE: **Patent**  
 LANGUAGE: **English**  
 FAMILY ACC. NUM. COUNT: **1**  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 292301	A2	19881123	EP 1988-304578	19880520
EP 292301	A3	19900711		
R: AT, BE, CH, DE, ES, FR, GB, IT, LI, LU, NL, SE				
US 4851449	A	19890725	US 1987-53208	19870521
IN 167948	A	19910112	IN 1988-CA346	19880429
AU 8816426	A1	19881124	AU 1988-16426	19880519
CA 1337328	A1	19951017	CA 1988-567222	19880519
BR 8802492	A	19881220	BR 1988-2492	19880520
JP 63313705	A2	19881221	JP 1988-122155	19880520
JP 2574391	B2	19970122		
ZA 8803616	A	19900131	ZA 1988-3616	19880520
US 4971999	A	19901120	US 1989-349675	19890510
			US 1987-53208	A 19870521

PRIORITY APPLN. INFO.:

AB An odorless high-level **disinfecting** and sterilizing composition comprises an aqueous solution containing 0.025-2.0% phthalaldehyde (I). An aqueous solution containing 0.1% I and buffered to pH 8 with K<sub>2</sub>HPO<sub>4</sub> was 100% effective against Mycobacterium bovis at 20° in 10 min, whereas isophthalaldehyde and terephthalaldehyde had no tuberculocidal activity. The tuberculocidal activity of I was not pH dependent when tested at pH of 3, 5, 7 and 9. I (0.1%) was shown to be fungicidal against Trichophyton mentagrophytes in 5 min at 20°. Glass slides that were stained with 0.05 g human blood and dried for 5 min at 22-25° were immersed in a solution containing 0.3% I at pH 7.5; after 5 min 100% of the blood had been removed from the slides compared with no removal by a solution containing 2% glutaraldehyde.

L5 ANSWER 8 OF 17 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 5

ACCESSION NUMBER: 1989:520900 CAPLUS  
 DOCUMENT NUMBER: 111:120900  
 TITLE: Synergistic **disinfectants** containing glutaraldehyde and a **dialdehyde**  
 INVENTOR(S): **Bruckner, Norman Irving; Gordon, Michael**  
 David; Howell, Ronald Gene  
 PATENT ASSIGNEE(S): **Surgikos, Inc., USA**  
 SOURCE: **Eur. Pat. Appl., 8 pp.**  
 CODEN: EPXXDW  
 DOCUMENT TYPE: **Patent**  
 LANGUAGE: **English**  
 FAMILY ACC. NUM. COUNT: **1**  
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 292300	A2	19881123	EP 1988-304577	19880520
EP 292300	A3	19900711		
EP 292300	B1	19921202		
R: BE, DE, ES, FR, GB, IT, NL				
US 4847304	A	19890711	US 1987-53210	19870521
IN 167365	A	19901013	IN 1988-CA351	19880502
AU 8816428	A1	19881124	AU 1988-16428	19880519
ES 2052718	T3	19940716	ES 1988-304577	19880520
			US 1987-53210	A 19870521

PRIORITY APPLN. INFO.:

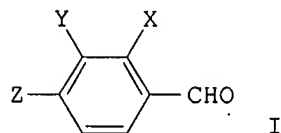
AB Sterilizing and **disinfecting** solns. with enhanced tuberculocidal activity comprise 0.25-6% by weight glutaraldehyde (I) and 0.005-1% by weight water-soluble aromatic **dialdehyde**, e.g., phthalaldehyde (II), isophthalaldehyde and terephthalaldehyde. An aqueous solution containing 2% I and 0.2% II totally killed Mycobacterium bovis, in vitro with 10 min of exposure. In the absence of II, I was much less effective.

L5 ANSWER 9 OF 17 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 6

ACCESSION NUMBER: 1987:642675 CAPLUS  
DOCUMENT NUMBER: 107:242675  
TITLE: Glutaraldehyde-aldehyde **disinfecting** and sterilizing compositions, particularly effective against tuberculosis **bacteria**  
INVENTOR(S): Ascenzi, Joseph Michael; Gordon, Michael David; **Bruckner, Norman Irving**  
PATENT ASSIGNEE(S): Surgikos, Inc., USA  
SOURCE: Eur. Pat. Appl., 25 pp.  
CODEN: EPXXDW  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 232996	A1	19870819	EP 1987-300538	19870122
EP 232996	B1	19900103		
R: AT, BE, CH, DE, ES, FR, GB, IT, LI, LU, NL, SE				
IN 164910	A	19890701	IN 1986-CA953	19861229
AU 8767878	A1	19870730	AU 1987-67878	19870121
AU 586064	B2	19890629		
CA 1314207	A1	19930309	CA 1987-527854	19870121
DK 8700363	A	19870724	DK 1987-363	19870122
JP 62201801	A2	19870905	JP 1987-11462	19870122
JP 07094361	B4	19951011		
BR 8700284	A	19871208	BR 1987-284	19870122
ZA 8700479	A	19880831	ZA 1987-479	19870122
AT 49101	E	19900115	AT 1987-300538	19870122
ES 2121730	T3	19981216	ES 1987-300538	19870122
PRIORITY APPLN. INFO.:			US 1986-821660	A 19860123
			EP 1987-300538	A 19870122

GI



AB Sterilizing and **disinfecting** solns., which are particularly effective against Mycobacterium tuberculosis and related species at 20°, contain 0.3-6 weight% glutaraldehyde and 0.01-0.6 weight% of a conjugated monoaldehyde selected from a)  $\alpha,\beta$ -unsatd. C6-10 aldehydes R1CR2:CR3CHO (R1 = H, C1-3 hydrocarbyl, Ph; R2, R3 = H, Me), b) PhCHO, and c) substituted benzaldehydes I (X, Y = H, OH, halo; Z = H, OH, Me, OMe, halo, nitro; YZ = OCH2O; OH groups are not on adjacent C atoms). The addition of a number of  $\alpha,\beta$ -unsatd. monoaldehydes to a 2% aqueous glutaraldehyde solution showed enhanced tuberculocidal activity. The glutaraldehyde solution alone showed 4.6 + 104 organisms (M. bovis BCG test organism)/4.40 + 105 initial organisms after 10 min and 2.4

+ 103 after 30 min, at 20°. However, addition of 0.33 weight% 2-hexenal gave 0 organisms/4.5 + 105 initial organisms after 10 min., and 0.11 weight% PhCH:CMcCHO also gave 0/6.8 + 105 initial organisms after 10 min., at 20°.

L5 ANSWER 10 OF 17 USPATFULL on STN

ACCESSION NUMBER: 87:18742 USPATFULL  
TITLE: Drug combinations having synergistic effect  
INVENTOR(S): Simon, Ferenc, Budapest, Hungary  
Romvary, Attila, Budapest, Hungary  
Varga, Janos, Budapest, Hungary  
Bozzay, Laszlo, Budapest, Hungary  
Bruckner nee Gabor, Edit, Papa, Hungary  
PATENT ASSIGNEE(S): Patentbureau Danubia, Hungary (non-U.S. government)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4650790		19870317
APPLICATION INFO.:	US 1985-717157		19850328 (6)

	NUMBER	DATE
PRIORITY INFORMATION:	HU 1984-1225	19840328
	HU 1984-1226	19840328
	HU 1984-1527	19840420

DOCUMENT TYPE: Utility  
FILE SEGMENT: Granted  
PRIMARY EXAMINER: Brown, Johnnie R.  
ASSISTANT EXAMINER: Peseler, Elli  
LEGAL REPRESENTATIVE: Keil & Weinkauff  
NUMBER OF CLAIMS: 13  
EXEMPLARY CLAIM: 1,9  
LINE COUNT: 376

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to a synergistic antibiotic composition useful for the treatment of respiratory, gastrointestinal or urinary infections and septicaemia of domestic animals. The composition comprises tiamulin hydrogen fumarate and an aminoglycoside antibiotic or a pharmaceutically acceptable salt thereof in a weight ratio of 5:1 to 1:5. The active components are admixed or diluted with a carrier, used in veterinary therapy, in a weight ratio of 1:1 to 1:50 and formulated for oral or parenteral application.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 11 OF 17 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN

ACCESSION NUMBER: 1983:119747 BIOSIS  
DOCUMENT NUMBER: PREV198325044747; BR25:44747  
TITLE: 1 PHENYL-6 7-DISUBSTITUTED-2-3-DISUBSTITUTED-AMINOPROPYL-1  
2 3 4 TETRA HYDRO ISO QUINOLINES AS POSSIBLE ANTI  
TUBERCULAR AGENTS.  
AUTHOR(S): KUMAR P [Reprint author]; DHAWAN K N; KISHOR K; BHARGAVA K  
P; SATSANGI R K  
CORPORATE SOURCE: DEP OF PHARMACOL AND THERAPEUTICS, KING GEORGE'S MED COLL,  
LUCKNOW-226003, INDIA  
SOURCE: Journal of Heterocyclic Chemistry, (1982) Vol. 19, No. 3,  
pp. 677-680.  
CODEN: JHTCAD. ISSN: 0022-152X.  
DOCUMENT TYPE: Article  
FILE SEGMENT: BR  
LANGUAGE: ENGLISH

L5 ANSWER 12 OF 17 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on

STN

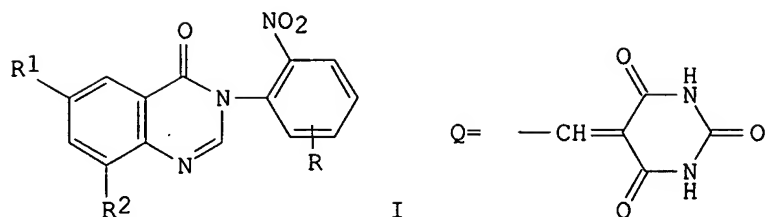
ACCESSION NUMBER: 1982:272473 BIOSIS  
DOCUMENT NUMBER: PREV198274044953; BA74:44953  
TITLE: SOME NEW 2 SUBSTITUTED THIO-5-4' PYRIDYL-1 3 4 OXADIAZOLES  
AS POSSIBLE ANTI TUBERCULAR COMPOUNDS.  
AUTHOR(S): KUMAR P [Reprint author]; DHAWAN K N; VRAT S; BHARGAVA K P;  
KISHOR K; **SATSANGI R K**  
CORPORATE SOURCE: LUCKNOW 226004, INDIA  
SOURCE: Polish Journal of Pharmacology and Pharmacy, (1981) Vol.  
33, No. 5, pp. 527-532.  
CODEN: PJPPAA. ISSN: 0301-0244.  
DOCUMENT TYPE: Article  
FILE SEGMENT: BA  
LANGUAGE: ENGLISH  
AB 5-(4'-Pyridyl)-2-substituted-thio-1,3,4-oxadiazolyl compounds were  
synthesized in 2 series, 1 comprising of Schiff's bases and the other of  
arylthioacetohydrazone derivatives. Some compounds inhibited the growth  
of Mycobacterium smegmatis completely at concentrations of 20-40 µg/ml  
of culture medium.

L5 ANSWER 13 OF 17 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on  
STN

ACCESSION NUMBER: 1982:250506 BIOSIS  
DOCUMENT NUMBER: PREV198274022986; BA74:22986  
TITLE: SYNTHESIS OF SOME TRI METHYL SILYL-3-  
CARBETHOXYALKYLCARBAMOYL PROPIOLATES AND THEIR ANTI  
TUBERCULAR ACTIVITY.  
AUTHOR(S): KUMAR P [Reprint author]; VRAT S; DHAWAN K N; **SATSANGI**  
**R K**; KISHORE K; BHARGAVA K P  
CORPORATE SOURCE: DEP PHARMACOLOGY, KING GEORGE'S MED COLL, LUCKNOW 226 003  
SOURCE: Indian Journal of Chemistry Section B Organic Chemistry  
Including Medicinal Chemistry, (1981) Vol. 20, No. 6, pp.  
517-518.  
CODEN: IJSBDB. ISSN: 0376-4699.  
DOCUMENT TYPE: Article  
FILE SEGMENT: BA  
LANGUAGE: ENGLISH  
AB Trimethylsilyl-3-(carbethoxyalkylcarbamoyl)propiolates were synthesized as  
possible antitubercular agents. Two of these compounds show in vitro  
inhibition of the growth of Mycobacterium smegmatis. One also inhibits  
the growth of M. tuberculosis H27Rv in vitro, having potency comparable to  
streptomycin.

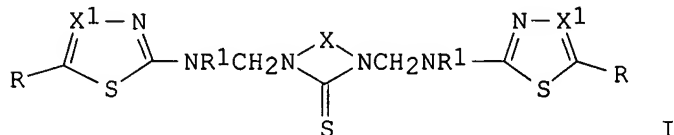
L5 ANSWER 14 OF 17 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1981:156848 CAPLUS  
DOCUMENT NUMBER: 94:156848  
TITLE: 5-Nitro-4(2)-[4-oxo-3H-quinazolin-3-  
yl]benzylidenemalonylureas as antibacterial agents  
AUTHOR(S): Tiwari, S. S.; Zaidi, S. M. M.; Agarwal, Rajesh;  
**Satsangi, R. K.**  
CORPORATE SOURCE: Dep. Chem., Lucknow Univ., Lucknow, India  
SOURCE: Journal of the Indian Chemical Society (1980), 57(10),  
1039-40  
CODEN: JICSAH; ISSN: 0019-4522  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
OTHER SOURCE(S): CASREACT 94:156848  
GI



AB The title compds. I (R = 2-Q, 4-Q; R1 = H, R2 = H, Br, iodo; R1 = R2 = Br) were prepared by treating haloquinazolones with 2,3-Cl(O2N)C6H3CHO, treating I (R = CHO) with CH2(CO2Et)2, and treating I [R = CH:C(CO2Et)2] with urea. I (R = Q) gave inhibition zones of 0-15mm against Staphylococcus aureus, I (R = 2-Q, R1 = R2 = H) being the most active.

L5 ANSWER 15 OF 17 CAPLUS COPYRIGHT 2005 ACS on STN  
 ACCESSION NUMBER: 1980:94312 CAPLUS  
 DOCUMENT NUMBER: 92:94312  
 TITLE: New antibacterial 1,3-disubstituted ethylene/phenylene-thioureas  
 AUTHOR(S): Tiwari, S. S.; Satsangi, R. K.; Zaidi, S. M.  
 CORPORATE SOURCE: Dep. Chem., Univ. Lucknow, Lucknow, 226 007, India  
 SOURCE: Indian Drugs (1979), 16(12), 292-4  
 CODEN: INDRBA; ISSN: 0019-462X  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 GI



AB Imidazolethiones I (X = CH2CH2, o-C6H4; X1 = N, CEt, CCH2CO2Et, CPh, CC6H4Me-4, CC6H4NO2-3; R = H, Me, Et, Pr, SH; R1 = H, 2-MeC6H4, 4-MeC6H4) were obtained by treating the imidazolethione with aminothiazole or aminotriazole and CH2O. I (X = CH2CH2) have **bactericidal** activity, except I (X = CH2CH2, X1 = CC6H4Me-4, CC6H4NO2-3). I (X = o-C6H4) was less active than I (X = CH2CH2).

L5 ANSWER 16 OF 17 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 7  
 ACCESSION NUMBER: 1977:195193 CAPLUS  
 DOCUMENT NUMBER: 86:195193  
 TITLE: Antimicrobial and other properties of a new stabilized alkaline glutaraldehyde **disinfectant** /sterilizer  
 AUTHOR(S): Miner, N. A.; McDowell, J. W.; Willcockson, G. W.; Bruckner, N. I.; Stark, R. L.; Whitmore, E. J.  
 CORPORATE SOURCE: Arbrook, Inc., Arlington, TX, USA  
 SOURCE: American Journal of Hospital Pharmacy (1977), 34(4), 376-82  
 CODEN: AJHPA9; ISSN: 0002-9289  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 AB A new stabilized **disinfectant** and(or) sterilizer, made with 2% glutaraldehyde [111-30-8] and buffered to pH 7.5-8.0, retained the maximum antimicrobial activity of unstabilized alkaline glutaraldehyde solns. as well

as the chemical stability previously observed only with acidic glutaraldehyde solns. No visual or measurable indications of corrosive or material-damaging properties were noticed. The ability of the solution to resist neutralization by organic matter was very high. The acute LD50 for rats was 17.5 mL/kg. The stabilized solution could be used for 14 days in situations of high dilns., or for 28 days in situations of low dilns., or in any case, until the alkaline glutaraldehyde concentration reached 1.0%. Antimicrobial properties and min. effective concns. against certain **bacteria**, mycobacteria, a fungus, viruses, and spores are tabulated and toxicity, chemical stability, etc., are discussed.

L5 ANSWER 17 OF 17 USPATFULL on STN  
 ACCESSION NUMBER: 75:3148 USPATFULL  
 TITLE: DRAINAGE TUBE  
 INVENTOR(S): Vaillancourt, Vincent L., Livingston, NJ, United States  
 Bruckner, Norman, East Windsor, NJ, United States  
 Levine, Edward, Metuchen, NJ, United States  
 PATENT ASSIGNEE(S): Hydro Med Sciences Inc., New York, NY, United States  
 (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 3861396		19750121
APPLICATION INFO.:	US 1973-386572		19730808 (5)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Medbery, Aldrich F.		
LEGAL REPRESENTATIVE:	Cushman, Darby & Cushman		
NUMBER OF CLAIMS:	9		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	9 Drawing Figure(s); 2 Drawing Page(s)		
LINE COUNT:	308		

AB Means are provided for eliminating negative pressure problem, e.g. in a closed urinary system comprising a catheter, a downwardly extending tube and a collection bag. The tube has an internal coating of a hydrophilic polymer, preferably a 2-hydroxyethyl methacrylate polymer, or can be made completely of the hydrophilic polymer.

L5 ANSWER 1 OF 17 USPATFULL on STN  
 ACCESSION NUMBER: 2005:144030 USPATFULL  
 TITLE: Implant coatings  
 INVENTOR(S): Ong, Joo L., Cordova, TN, UNITED STATES  
 Satsangi, Rajiv K., San Antonio, TX, UNITED STATES  
 Satsangi, Neera, San Antonio, TX, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005123765	A1	20050609
APPLICATION INFO.:	US 2003-497671	A1	20021217 (10)
	WO 2002-US40172		20021217

	NUMBER	DATE
PRIORITY INFORMATION:	US 2003-342069P	20011219 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	MEYERTONS, HOOD, KIVLIN, KOWERT & GOETZEL, P.C., P.O. BOX 398, AUSTIN, TX, 78767-0398, US	
NUMBER OF CLAIMS:	34	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	9 Drawing Page(s)	

LINE COUNT: 1203  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Implants may be coated with a biocompatible coating to improve the biocompatibility of the implant. The biocompatible coating may include a bone growth promoting compound. Such compounds include, but are not limited to, phospholipids, bone morphogenetic proteins, or combinations thereof. The bone growth promoting compound may enhance the rate of bone growth proximate to the implant and the integration of the implant into the surrounding bone.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 2 OF 17 USPATFULL on STN  
ACCESSION NUMBER: 2003:117295 USPATFULL  
TITLE: Process and composition for removing biofilm  
INVENTOR(S): Siegel, Phyllis B., San Antonio, TX, UNITED STATES  
Bruckner, Norman I., Plano, TX, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003079758	A1	20030501
APPLICATION INFO.:	US 2002-72432	A1	20020208 (10)
RELATED APPLN.. INFO.:	Continuation-in-part of Ser. No. US 1998-89845, filed on 3 Jun 1998, ABANDONED Continuation-in-part of Ser. No. US 2000-608048, filed on 30 Jun 2000, PENDING		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	JOHN LEZDEY, 1409A NORTH FT HARRISON, CLEARWATER, FL, 33755		
NUMBER OF CLAIMS:	24		
EXEMPLARY CLAIM:	1		
LINE COUNT:	1328		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A composition and a method for decontaminating small diameter water lines for medical equipment which effectively dislodges and eliminates a biofilm and at the same time destroy the microorganism flora in the fresh water and in the dislodged biofilm. In addition the composition or method does not corrode water line materials, it is safe and non-toxic, it does not expose patients to the decontaminating chemicals or process, it does not leave significant residual chemicals in the water line, it does not require the use of sterile solutions and aseptic technique by dental personel, and it does not require mixing or dilution of chemicals prior to use.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 3 OF 17 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN  
ACCESSION NUMBER: 1995:32379 BIOSIS  
DOCUMENT NUMBER: PREV199598046679  
TITLE: Enhancement of mycobactericidal activity of glutaraldehyde with alpha,beta-unsaturated and aromatic aldehydes.  
AUTHOR(S): Gordon, M. D.; Ezzell, R. J.; Bruckner, N. I.; Ascenzi, J. M. [Reprint author]  
CORPORATE SOURCE: Research Div., Johnson Johnson Med. Inc., PO Box 130, Arlington, TX 76004, USA  
SOURCE: Journal of Industrial Microbiology, (1994) Vol. 13, No. 2, pp. 77-82.  
CODEN: JIMIE7. ISSN: 0169-4146.  
DOCUMENT TYPE: Article  
LANGUAGE: English  
ENTRY DATE: Entered STN: 25 Jan 1995  
Last Updated on STN: 26 Jan 1995

AB Several alpha,beta-unsaturated and aromatic aldehydes were evaluated for antimicrobial activity using Mycobacterium bovis as the test strain.

Activity of most of the compounds was determined in the presence and absence of 2% glutaraldehyde. Several compounds highly active against this organism, e.g. 2-pentenal, benzaldehyde, and o-phthalaldehyde showed rapid kill of gt 10<sup>5</sup> CFU ml<sup>-1</sup> in 5 min. Activity of alpha,beta-unsaturated compounds substituted in the beta-1 position showed increasing activity with increasing chain length. Of the aromatic aldehydes tested benzaldehyde and p-dimethylamino benzaldehyde showed little activity alone, but when combined with 2% glutaraldehyde showed increased activity. Substituents added to the benzaldehyde ring (nitro, chloro, methyl, and methoxy) all detracted from the synergism, but still showed increased activity over the activity of 2% glutaraldehyde. The same affect was noted with disubstituted benzaldehyde compounds but not with substituted o-phthalaldehyde (2-formylformaldehyde).

L5 ANSWER 4 OF 17 USPATFULL on STN DUPLICATE 1  
 ACCESSION NUMBER: 90:89321 USPATFULL  
 TITLE: Odorless aromatic **dialdehyde**  
**disinfecting** and sterilizing composition and  
 method of using the same  
 INVENTOR(S): **Bruckner, Norman I.**, Plano, TX, United States  
 Gordon, Michael D., Arlington, TX, United States  
 Howell, Ronald G., Arlington, TX, United States  
 PATENT ASSIGNEE(S): Johnson & Johnson Medical, Inc., Arlington, TX, United  
 States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4971999		19901120
APPLICATION INFO.:	US 1989-349675		19890510 (7)
DISCLAIMER DATE:	20060725		
RELATED APPLN. INFO.:	Continuation-in-part of Ser. No. US 1987-53208, filed on 21 May 1987, now patented, Pat. No. US 4851449		
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Shah, Mukund J.		
ASSISTANT EXAMINER:	Ward, E. C.		
NUMBER OF CLAIMS:	8		
EXEMPLARY CLAIM:	1		
LINE COUNT:	476		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB An odorless sterilizing and **disinfecting** solution is described  
 which has a pH of from 3 to 9 and which contains an effective amount of  
 phthalaldehyde. The solution is used to sterilize or to  
**disinfect** a surface in need of such treatment.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 5 OF 17 USPATFULL on STN DUPLICATE 2  
 ACCESSION NUMBER: 89:60916 USPATFULL  
 TITLE: Odorless aromatic **dialdehyde**  
**disinfecting** and sterilizing composition  
 INVENTOR(S): **Bruckner, Norman I.**, Plano, TX, United States  
 Gordon, Michael D., Arlington, TX, United States  
 Howell, Ronald G., Arlington, TX, United States  
 PATENT ASSIGNEE(S): Surgikos, Inc., Arlington, TX, United States (U.S.  
 corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4851449		19890725
APPLICATION INFO.:	US 1987-53208		19870521 (7)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Robinson, Douglas W.		



ASSISTANT EXAMINER: Kearse, R.  
LEGAL REPRESENTATIVE: Tatlow, Michael Q., Metz, Charles J.  
NUMBER OF CLAIMS: 5  
EXEMPLARY CLAIM: 1  
LINE COUNT: 418  
CAS INDEXING IS AVAILABLE FOR THIS PATENT.  
AB An odorless sterilizing and **disinfecting** solution containing  
0.025 to 1.0 weight percent phthalaldehyde.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 6 OF 17 USPATFULL on STN DUPLICATE 3  
ACCESSION NUMBER: 89:56453 USPATFULL  
TITLE: **Disinfecting** and sterilizing composition  
INVENTOR(S): **Bruckner, Norman I.**, Plano, TX, United States  
Gordon, Michael D., Arlington, TX, United States  
Howell, Ronald G., Arlington, TX, United States  
PATENT ASSIGNEE(S): Surgikos, Inc., Arlington, TX, United States (U.S.  
corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4847304		19890711
APPLICATION INFO.:	US 1987-53210		19870521 (7)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Robinson, Douglas W.		
ASSISTANT EXAMINER:	Kearse, Richard		
LEGAL REPRESENTATIVE:	Tatlow, Michael Q., Metz, Charles J.		
NUMBER OF CLAIMS:	8		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	1 Drawing Figure(s); 1 Drawing Page(s)		
LINE COUNT:	348		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB A sterilizing and **disinfecting** solution is disclosed. The  
solution contains a saturated **dialdehyde** such as  
glutaraldehyde and an aromatic **dialdehyde**, such as  
phthalaldehyde, isophthalaldehyde or terephthalaldehyde.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 7 OF 17 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 4  
ACCESSION NUMBER: 1989:412560 CAPLUS  
DOCUMENT NUMBER: 111:12560  
TITLE: Odorless **disinfecting** and sterilizing  
composition containing phthalaldehyde  
INVENTOR(S): **Bruckner, Norman Irving**; Gordon, Michael  
David; Howell, Ronald Gene  
PATENT ASSIGNEE(S): Surgikos, Inc., USA  
SOURCE: Eur. Pat. Appl., 11 pp.  
CODEN: EPXXDW  
DOCUMENT TYPE: Patent  
LANGUAGE: English  
FAMILY ACC. NUM. COUNT: 1  
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 292301	A2	19881123	EP 1988-304578	19880520
EP 292301	A3	19900711		
R: AT, BE, CH, DE, ES, FR, GB, IT, LI, LU, NL, SE				
US 4851449	A	19890725	US 1987-53208	19870521
IN 167948	A	19910112	IN 1988-CA346	19880429
AU 8816426	A1	19881124	AU 1988-16426	19880519

CA 1337328	A1	19951017	CA 1988-567222	19880519
BR 8802492	A	19881220	BR 1988-2492	19880520
JP 63313705	A2	19881221	JP 1988-122155	19880520
JP 2574391	B2	19970122		
ZA 8803616	A	19900131	ZA 1988-3616	19880520
US 4971999	A	19901120	US 1989-349675	19890510
			US 1987-53208	A 19870521

PRIORITY APPLN. INFO.:

AB An odorless high-level **disinfecting** and sterilizing composition comprises an aqueous solution containing 0.025-2.0% phthalaldehyde (I). An aqueous solution containing 0.1% I and buffered to pH 8 with K<sub>2</sub>HPO<sub>4</sub> was 100% effective against Mycobacterium bovis at 20° in 10 min, whereas isophthalaldehyde and terephthalaldehyde had no tuberculocidal activity. The tuberculocidal activity of I was not pH dependent when tested at pH of 3, 5, 7 and 9. I (0.1%) was shown to be fungicidal against Trichophyton mentagrophytes in 5 min at 20°. Glass slides that were stained with 0.05 g human blood and dried for 5 min at 22-25° were immersed in a solution containing 0.3% I at pH 7.5; after 5 min 100% of the blood had been removed from the slides compared with no removal by a solution containing 2% glutaraldehyde.

L5 ANSWER 8 OF 17 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 5

ACCESSION NUMBER: 1989:520900 CAPLUS

DOCUMENT NUMBER: 111:120900

TITLE: Synergistic **disinfectants** containing glutaraldehyde and a **dialdehyde**

INVENTOR(S): **Bruckner, Norman Irving**; Gordon, Michael David; Howell, Ronald Gene

PATENT ASSIGNEE(S): Surgikos, Inc., USA

SOURCE: Eur. Pat. Appl., 8 pp.

CODEN: EPXXDW

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
-----	----	-----	-----	-----
EP 292300	A2	19881123	EP 1988-304577	19880520
EP 292300	A3	19900711		
EP 292300	B1	19921202		
R: BE, DE, ES, FR, GB, IT, NL				
US 4847304	A	19890711	US 1987-53210	19870521
IN 167365	A	19901013	IN 1988-CA351	19880502
AU 8816428	A1	19881124	AU 1988-16428	19880519
ES 2052718	T3	19940716	ES 1988-304577	19880520

PRIORITY APPLN. INFO.:

AB Sterilizing and **disinfecting** solns. with enhanced tuberculocidal activity comprise 0.25-6% by weight glutaraldehyde (I) and 0.005-1% by weight water-soluble aromatic **dialdehyde**, e.g., phthalaldehyde (II), isophthalaldehyde and terephthalaldehyde. An aqueous solution containing 2% I and 0.2% II totally killed Mycobacterium bovis, in vitro with 10 min of exposure. In the absence of II, I was much less effective.

L5 ANSWER 9 OF 17 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 6

ACCESSION NUMBER: 1987:642675 CAPLUS

DOCUMENT NUMBER: 107:242675

TITLE: Glutaraldehyde-aldehyde **disinfecting** and sterilizing compositions, particularly effective against tuberculosis **bacteria**

INVENTOR(S): **Ascenzi, Joseph Michael**; Gordon, Michael David;

**Bruckner, Norman Irving**

PATENT ASSIGNEE(S): Surgikos, Inc., USA

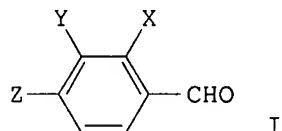
SOURCE: Eur. Pat. Appl., 25 pp.

DOCUMENT TYPE: Patent  
 LANGUAGE: English  
 FAMILY ACC. NUM. COUNT: 1  
 PATENT INFORMATION:

CODEN: EPXXDW

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 232996	A1	19870819	EP 1987-300538	19870122
EP 232996	B1	19900103		
R: AT, BE, CH, DE, ES, FR, GB, IT, LI, LU, NL, SE				
IN 164910	A	19890701	IN 1986-CA953	19861229
AU 8767878	A1	19870730	AU 1987-67878	19870121
AU 586064	B2	19890629		
CA 1314207	A1	19930309	CA 1987-527854	19870121
DK 8700363	A	19870724	DK 1987-363	19870122
JP 62201801	A2	19870905	JP 1987-11462	19870122
JP 07094361	B4	19951011		
BR 8700284	A	19871208	BR 1987-284	19870122
ZA 8700479	A	19880831	ZA 1987-479	19870122
AT 49101	E	19900115	AT 1987-300538	19870122
ES 2121730	T3	19981216	ES 1987-300538	19870122
PRIORITY APPLN. INFO.:			US 1986-821660	A 19860123
			EP 1987-300538	A 19870122

GI



AB Sterilizing and **disinfecting** solns., which are particularly effective against Mycobacterium tuberculosis and related species at 20°, contain 0.3-6 weight% glutaraldehyde and 0.01-0.6 weight% of a conjugated monoaldehyde selected from a)  $\alpha,\beta$ -unsatd. C6-10 aldehydes R<sub>1</sub>CR<sub>2</sub>:CR<sub>3</sub>CHO (R<sub>1</sub> = H, C1-3 hydrocarbaryl, Ph; R<sub>2</sub>, R<sub>3</sub> = H, Me); b) PhCHO, and c) substituted benzaldehydes I (X, Y = H, OH, halo; Z = H, OH, Me, OMe, halo, nitro; YZ = OCH<sub>2</sub>O; OH groups are not on adjacent C atoms). The addition of a number of  $\alpha,\beta$ -unsatd. monoaldehydes to a 2% aqueous glutaraldehyde solution showed enhanced tuberculocidal activity. The glutaraldehyde solution alone showed 4.6 + 10<sup>4</sup> organisms (M. bovis BCG test organism)/4.40 + 10<sup>5</sup> initial organisms after 10 min and 2.4 + 10<sup>3</sup> after 30 min, at 20°. However, addition of 0.33 weight% 2-hexenal gave 0 organisms/4.5 + 10<sup>5</sup> initial organisms after 10 min., and 0.11 weight% PhCH:CM<sub>2</sub>CHO also gave 0/6.8 + 10<sup>5</sup> initial organisms after 10 min., at 20°.

L5 ANSWER 10 OF 17 USPATFULL on STN

ACCESSION NUMBER: 87:18742 USPATFULL  
 TITLE: Drug combinations having synergistic effect  
 INVENTOR(S): Simon, Ferenc, Budapest, Hungary  
 Romvary, Attila, Budapest, Hungary  
 Varga, Janos, Budapest, Hungary  
 Bozzay, Laszlo, Budapest, Hungary  
 Bruckner nee Gabor, Edit, Papa, Hungary  
 PATENT ASSIGNEE(S): Patentbureau Danubia, Hungary (non-U.S. government)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 4650790		19870317

APPLICATION INFO.: US 1985-717157 19850328 (6)

	NUMBER	DATE
PRIORITY INFORMATION:	HU 1984-1225	19840328
	HU 1984-1226	19840328
	HU 1984-1527	19840420
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	Granted	
PRIMARY EXAMINER:	Brown, Johnnie R.	
ASSISTANT EXAMINER:	Peseler, Elli	
LEGAL REPRESENTATIVE:	Keil & Weinkauff	
NUMBER OF CLAIMS:	13	
EXEMPLARY CLAIM:	1,9	
LINE COUNT:	376	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention relates to a synergistic antibiotic composition useful for the treatment of respiratory, gastrointestinal or urinary infections and septicaemia of domestic animals. The composition comprises tiamulin hydrogen fumarate and an aminoglycoside antibiotic or a pharmaceutically acceptable salt thereof in a weight ratio of 5:1 to 1:5. The active components are admixed or diluted with a carrier, used in veterinary therapy, in a weight ratio of 1:1 to 1:50 and formulated for oral or parenteral application.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L5 ANSWER 11 OF 17 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN

ACCESSION NUMBER: 1983:119747 BIOSIS  
DOCUMENT NUMBER: PREV198325044747; BR25:44747  
TITLE: 1 PHENYL-6 7-DISUBSTITUTED-2-3-DISUBSTITUTED-AMINOPROPYL-1  
2 3 4 TETRA HYDRO ISO QUINOLINES AS POSSIBLE ANTI  
TUBERCULAR AGENTS.  
AUTHOR(S): KUMAR P [Reprint author]; DHAWAN K N; KISHOR K; BHARGAVA K  
P; SATSANGI R K  
CORPORATE SOURCE: DEP OF PHARMACOL AND THERAPEUTICS, KING GEORGE'S MED COLL,  
LUCKNOW-226003, INDIA  
SOURCE: Journal of Heterocyclic Chemistry, (1982) Vol. 19, No. 3,  
pp. 677-680.  
CODEN: JHTCAD. ISSN: 0022-152X.  
DOCUMENT TYPE: Article  
FILE SEGMENT: BR  
LANGUAGE: ENGLISH

L5 ANSWER 12 OF 17 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN

ACCESSION NUMBER: 1982:272473 BIOSIS  
DOCUMENT NUMBER: PREV198274044953; BA74:44953  
TITLE: SOME NEW 2 SUBSTITUTED THIO-5-4' PYRIDYL-1 3 4 OXADIAZOLES  
AS POSSIBLE ANTI TUBERCULAR COMPOUNDS.  
AUTHOR(S): KUMAR P [Reprint author]; DHAWAN K N; VRAT S; BHARGAVA K P;  
KISHOR K; SATSANGI R K  
CORPORATE SOURCE: LUCKNOW 226004, INDIA  
SOURCE: Polish Journal of Pharmacology and Pharmacy, (1981) Vol.  
33, No. 5, pp. 527-532.  
CODEN: PJPPAA. ISSN: 0301-0244.  
DOCUMENT TYPE: Article  
FILE SEGMENT: BA  
LANGUAGE: ENGLISH

AB 5-(4'-Pyridyl)-2-substituted-thio-1,3,4-oxadiazolyl compounds were synthesized in 2 series, 1 comprising of Schiff's bases and the other of arylthioacetohydrazone derivatives. Some compounds inhibited the growth of Mycobacterium smegmatis completely at concentrations of 20-40 µg/ml

of culture medium.

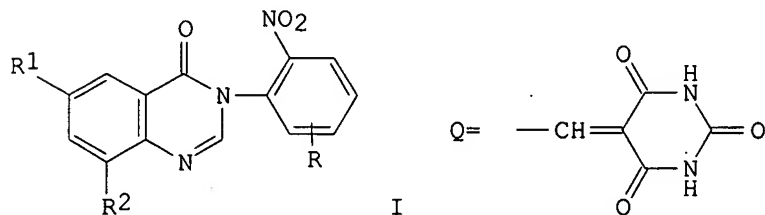
L5 ANSWER 13 OF 17 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN

ACCESSION NUMBER: 1982:250506 BIOSIS  
DOCUMENT NUMBER: PREV198274022986; BA74:22986  
TITLE: SYNTHESIS OF SOME TRI METHYL SILYL-3-CARBETHOXYALKYLCARBAMOYL PROPIOLATES AND THEIR ANTI TUBERCULAR ACTIVITY.  
AUTHOR(S): KUMAR P [Reprint author]; VRAT S; DHAWAN K N; **SATSANGI R K**; KISHORE K; BHARGAVA K P  
CORPORATE SOURCE: DEP PHARMACOLOGY, KING GEORGE'S MED COLL, LUCKNOW 226 003  
SOURCE: Indian Journal of Chemistry Section B Organic Chemistry Including Medicinal Chemistry, (1981) Vol. 20, No. 6, pp. 517-518.  
CODEN: IJSBDB. ISSN: 0376-4699.  
DOCUMENT TYPE: Article  
FILE SEGMENT: BA  
LANGUAGE: ENGLISH

AB Trimethylsilyl-3-(carbethoxyalkylcarbamoyl)propiolates were synthesized as possible antitubercular agents. Two of these compounds show in vitro inhibition of the growth of Mycobacterium smegmatis. One also inhibits the growth of M. tuberculosis H27Rv in vitro, having potency comparable to streptomycin.

L5 ANSWER 14 OF 17 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1981:156848 CAPLUS  
DOCUMENT NUMBER: 94:156848  
TITLE: 5-Nitro-4(2)-[4-oxo-3H-quinazolin-3-yl]benzylidenemalonylureas as antibacterial agents  
AUTHOR(S): Tiwari, S. S.; Zaidi, S. M. M.; Agarwal, Rajesh; **Satsangi, R. K.**  
CORPORATE SOURCE: Dep. Chem., Lucknow Univ., Lucknow, India  
SOURCE: Journal of the Indian Chemical Society (1980), 57(10), 1039-40  
CODEN: JICSAH; ISSN: 0019-4522  
DOCUMENT TYPE: Journal  
LANGUAGE: English  
OTHER SOURCE(S): CASREACT 94:156848  
GI

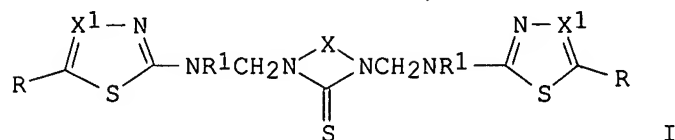


AB The title compds. I (R = 2-Q, 4-Q; R1 = H, R2 = H, Br, iodo; R1 = R2 = Br) were prepared by treating haloquinazolones with 2,3-Cl(O2N)C6H3CHO, treating I (R = CHO) with CH2(CO2Et)2, and treating I [R = CH:C(CO2Et)2] with urea. I (R = Q) gave inhibition zones of 0-15mm against Staphylococcus aureus, I (R = 2-Q, R1 = R2 = H) being the most active.

L5 ANSWER 15 OF 17 CAPLUS COPYRIGHT 2005 ACS on STN

ACCESSION NUMBER: 1980:94312 CAPLUS  
DOCUMENT NUMBER: 92:94312

TITLE: New antibacterial 1,3-disubstituted ethylene/phenylene-thioureas  
 AUTHOR(S): Tiwari, S. S.; Satsangi, R. K.; Zaidi, S. M.  
 CORPORATE SOURCE: Dep. Chem., Univ. Lucknow, Lucknow, 226 007, India  
 SOURCE: Indian Drugs (1979), 16(12), 292-4  
 CODEN: INDRBA; ISSN: 0019-462X  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English  
 GI



AB Imidazolethiones I (X = CH<sub>2</sub>CH<sub>2</sub>, o-C<sub>6</sub>H<sub>4</sub>; X<sub>1</sub> = N, CEt, CCH<sub>2</sub>CO<sub>2</sub>Et, CPh, CC<sub>6</sub>H<sub>4</sub>Me-4, CC<sub>6</sub>H<sub>4</sub>NO<sub>2</sub>-3; R = H, Me, Et, Pr, SH; R<sub>1</sub> = H, 2-MeC<sub>6</sub>H<sub>4</sub>, 4-MeC<sub>6</sub>H<sub>4</sub>) were obtained by treating the imidazolethione with aminothiazole or aminotriazole and CH<sub>2</sub>O. I (X = CH<sub>2</sub>CH<sub>2</sub>) have **bactericidal** activity, except I (X = CH<sub>2</sub>CH<sub>2</sub>, X<sub>1</sub> = CC<sub>6</sub>H<sub>4</sub>Me-4, CC<sub>6</sub>H<sub>4</sub>NO<sub>2</sub>-3). I (X = o-C<sub>6</sub>H<sub>4</sub>) was less active than I (X = CH<sub>2</sub>CH<sub>2</sub>).

L5 ANSWER 16 OF 17 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 7  
 ACCESSION NUMBER: 1977:195193 CAPLUS  
 DOCUMENT NUMBER: 86:195193  
 TITLE: Antimicrobial and other properties of a new stabilized alkaline glutaraldehyde **disinfectant** /sterilizer  
 AUTHOR(S): Miner, N. A.; McDowell, J. W.; Willcockson, G. W.; Bruckner, N. I.; Stark, R. L.; Whitmore, E. J.  
 CORPORATE SOURCE: Arbrook, Inc., Arlington, TX, USA  
 SOURCE: American Journal of Hospital Pharmacy (1977), 34(4), 376-82  
 CODEN: AJHPA9; ISSN: 0002-9289  
 DOCUMENT TYPE: Journal  
 LANGUAGE: English

AB A new stabilized **disinfectant** and(or) sterilizer, made with 2% glutaraldehyde [111-30-8] and buffered to pH 7.5-8.0, retained the maximum antimicrobial activity of unstabilized alkaline glutaraldehyde solns. as well as the chemical stability previously observed only with acidic glutaraldehyde solns. No visual or measurable indications of corrosive or material-damaging properties were noticed. The ability of the solution to resist neutralization by organic matter was very high. The acute LD<sub>50</sub> for rats was 17.5 mL/kg. The stabilized solution could be used for 14 days in situations of high dilns., or for 28 days in situations of low dilns., or in any case, until the alkaline glutaraldehyde concentration reached 1.0%. Antimicrobial properties and min. effective concns. against certain **bacteria**, mycobacteria, a fungus, viruses, and spores are tabulated and toxicity, chemical stability, etc., are discussed.

L5 ANSWER 17 OF 17 USPATFULL on STN  
 ACCESSION NUMBER: 75:3148 USPATFULL  
 TITLE: DRAINAGE TUBE  
 INVENTOR(S): Vaillancourt, Vincent L., Livingston, NJ, United States  
 Bruckner, Norman, East Windsor, NJ, United States  
 Levine, Edward, Metuchen, NJ, United States  
 PATENT ASSIGNEE(S): Hydro Med Sciences Inc., New York, NY, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 3861396		19750121
APPLICATION INFO.:	US 1973-386572		19730808 (5)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Medbery, Aldrich F.		
LEGAL REPRESENTATIVE:	Cushman, Darby & Cushman		
NUMBER OF CLAIMS:	9		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	9 Drawing Figure(s); 2 Drawing Page(s)		
LINE COUNT:	308		

AB Means are provided for eliminating negative pressure problem, e.g. in a closed urinary system comprising a catheter, a downwardly extending tube and a collection bag. The tube has an internal coating of a hydrophilic polymer, preferably a 2-hydroxyethyl methacrylate polymer, or can be made completely of the hydrophilic polymer.

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---Logging off of STN---

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Executing the logoff script...

=> LOG Y